

Abstract

The invention relates to a method and a device for operating an injection device (5) for an internal combustion engine, the injection device (5) including injection valves (40), via which fuel is injected directly into combustion chambers (100) of the internal combustion engine. Means are provided for detecting misfirings (310), and for determining a fuel pressure (320). A mechanical fault of an injection valve (40) is detected when a misfire occurs in a cylinder (110) and the fuel pressure simultaneously drops below a threshold value (SW). An electrical fault in an injection device (5) is detected when misfirings of cylinders (110) assigned to an output stage bank of the injection device (5) are observed, and the fuel pressure has dropped below a threshold value (SW). The responses to the faults that are implemented differ depending on the faults that were detected.

(Figure 3)